



Indiana Department of Environmental Management
Office of Water Quality
Wetlands Section

Publication Date:
October 25, 2010

IDEM ID Number:
2010-479-49-BCB-A

Closing Date:
November 14, 2010

Corps of Engineers ID Number:
LRL-2010-996-sjm

PUBLIC NOTICE

To all interested parties: This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

1. Applicant: Ms. Mary Lou Carey
Kirkpatrick Management Company, Inc.
5702 Kirkpatrick Way
Indianapolis, IN 46220

2. Agent: Mr. Jason Steckel
Williams Creek Consulting
919 North East Street
Indianapolis, IN 46202

3. Project location: SW ¼ of Section 21, Township 17 North, Range 5 East, McCordsville U.S.G.S. Quad, Marion County.
Northwest of the intersection of Fox Road and Shorewalk Drive.

4. Affected waterbody: Geist Reservoir (Upper White 8-Digit Hydrologic Unit Code, 05120201)

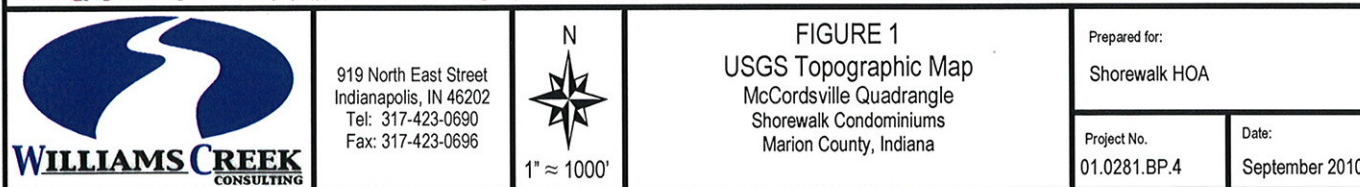
5. Project Description: The applicant proposes to construct two (2) unconnected breakwater rock structures extending into Shorewalk Cove of Geist Reservoir adjacent to the Dry Branch outlet resulting in the discharge of 168 cubic yards (cys) (0.024 acre) of rip rap and vegetated coir logs below the Ordinary High Water Mark. The purpose of the project is to reduce flow velocity of water after entering Geist Reservoir to allow sediments to drop from suspension. Under normal and low flow conditions, water will be directed in a sinuous path to slow velocity. During high flow events, water will overtop the western structure, which will be set at an elevation approximately 0.5' below the elevation of the eastern structure, effectively creating a bypass. Vegetated coir logs will be anchored to the top of the structure which will permit the colonization of aquatic plants. Additionally, Shorewalk Cove will be dredged of approximately 6,000 cys of sediment in the one-step method prior to the structure installation. An area of approximately 0.03 acre will be over excavated to a maximum depth of 12' adjacent to the southeast shoreline, and will be dredged by one-step removal on at least annually to prevent blockage of flow from Dry Branch into Geist Reservoir.

Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions? Additional information may be obtained from Mr. Brad Baldwin, Project Manager, at 317-234-5647. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406





919 North East Street
 Indianapolis, IN 46202
 Tel: 317-423-0690
 Fax: 317-423-0696



1" ≈ 200'

FIGURE 5
 2008 Aerial Photo
 Indiana GIS Atlas
 Shorewalk Condominiums
 Marion County, Indiana

Prepared for:
 Shorewalk HOA

Project No.
 01.0281.BP.4

Date:
 September 2010



IDEM
OFFICE OF
WATER QUALITY

2010 OCT 12 A 10:01

Corporate

Babeca Building
919 North East Street
Indianapolis, IN 46202

Ohio

247 East Livingston Ave
Suite B
Columbus, OH 43215

Missouri

7211 Manchester Ave
St. Louis, MO 63143

1-877-668-8848
info@williamscreek.net
www.williamscreek.net

8 October, 2010

Mr. Brad Baldwin
Indiana Department of Environmental Management
Mail Code 65-42
100 North Senate Avenue Room IGCN 1255
Indianapolis, Indiana 46204

**Re: Section 401 WQC Regional General Permit Notification
Shorewalk Cove, Geist Reservoir, Indianapolis, Marion County, Indiana**

Dear Mr. Baldwin:

Williams Creek Consulting, Inc. (WCC) is submitting, on behalf of the Shorewalk Home Owners Association (Client), a Section 401 Regional General Permit Notification (RGPN) for impacts to Geist Reservoir, on the above referenced site (SITE). The proposed impacts will result from the construction of approximately 173 linear feet of rock wall and vegetated coir log near the outlet of Dry Branch into Geist Reservoir. WCC has conducted an assessment of the SITE and determined that Dry Branch and Geist Reservoir are likely to be considered jurisdictional "waters of the U.S." Additionally, WCC completed a wetland delineation of the SITE on September 13, 2010, to determine the presence or absence of wetland areas or jurisdictional waters using USACE methodology described in the *Corps of Engineers Wetland Delineation Manual, 1987* (1987 Manual) and the Midwest Regional Supplement.

Project Location

The SITE is located in the McCordsville, Indiana, United States Geological Survey (USGS) 7.5-Minute Quadrangle Map in Section 21, Township 17 North, and Range 5 East. The SITE is more specifically the outlet of Dry Branch into Geist Reservoir located northwest of the intersection of Fox Road and Shorewalk Drive, Indianapolis, Marion County, Indiana (Figure 1).

Project Description

The proposed project consists of installation of approximately 173 linear feet of rock wall and vegetated coir log in two (2) unconnected sections within Geist Reservoir, near the mouth of Dry Branch. The purpose of the rock wall is to reduce the velocity of water entering Geist Reservoir from Dry Branch, resulting in the development of a naturalized wetland community and aquatic wildlife habitat.

RGP
with drawings
- see IP Application

Prior to installation of the proposed rock wall and coir log, an area approximately 2 acres in size will be dredged using one-step removal. All dredged material will be transported off-site by truck to an upland disposal location. No discharge of return water is proposed. Concurrent with the dredging, an area approximately 0.03 acre in size will be over-excavated adjacent to the southeast bank of the Shorewalk Cove for annual maintenance activities.

Table 1. Proposed Project Activities

Activity	Type	Dimensions	Volume
1	One-step removal dredging	Approximately 2 acres	Approximately 6,000 cubic yards
2	Rock wall and vegetated coir log	173 linear feet	168 cubic yards

Field Investigation

WCC conducted a Natural Resource Assessment (NRA) and wetland delineation of the SITE on September 13, 2010 using the current practices based upon the *1987 Wetland Delineation Manual* and *Midwest Regional Supplement Manual*. At that time the SITE was evaluated to determine whether wetland areas or "waters of the U.S." were present. No wetland areas were identified during the SITE visit. However, Dry Branch and Geist Reservoir were identified. The NRA report is included with this correspondence.

The dimensions of the mouth of Dry Branch and the Shorewalk Cove area of Geist Reservoir were measured based on a land survey completed by SEA Group, Inc. These measurements were compiled and incorporated into the design of the sediment basin and access point. The results of the survey are provided in the enclosed SITE Development Plan.

The proposed sediment basin activities are detailed in the Section 401 WQC Regional General Permit Notification Form and accompanying documentation which includes the following:

- **NRA Report** – containing SITE location map, NWI map, NRCS soil map, aerial photography, FEMA flood map, Wetland Data Forms, and labeled SITE photos
- **Attachment A** – Proposed SITE plans
- **Attachment B** – Section 404 Application form and Section 401 Regional General Permit Notification form

If you have any questions, or need additional information, please contact me at your earliest convenience. Thank you for your time.

Best regards,
Williams Creek Consulting, Inc.



Jason Steckel
Project Scientist



Brian Catt
Senior Project Manager

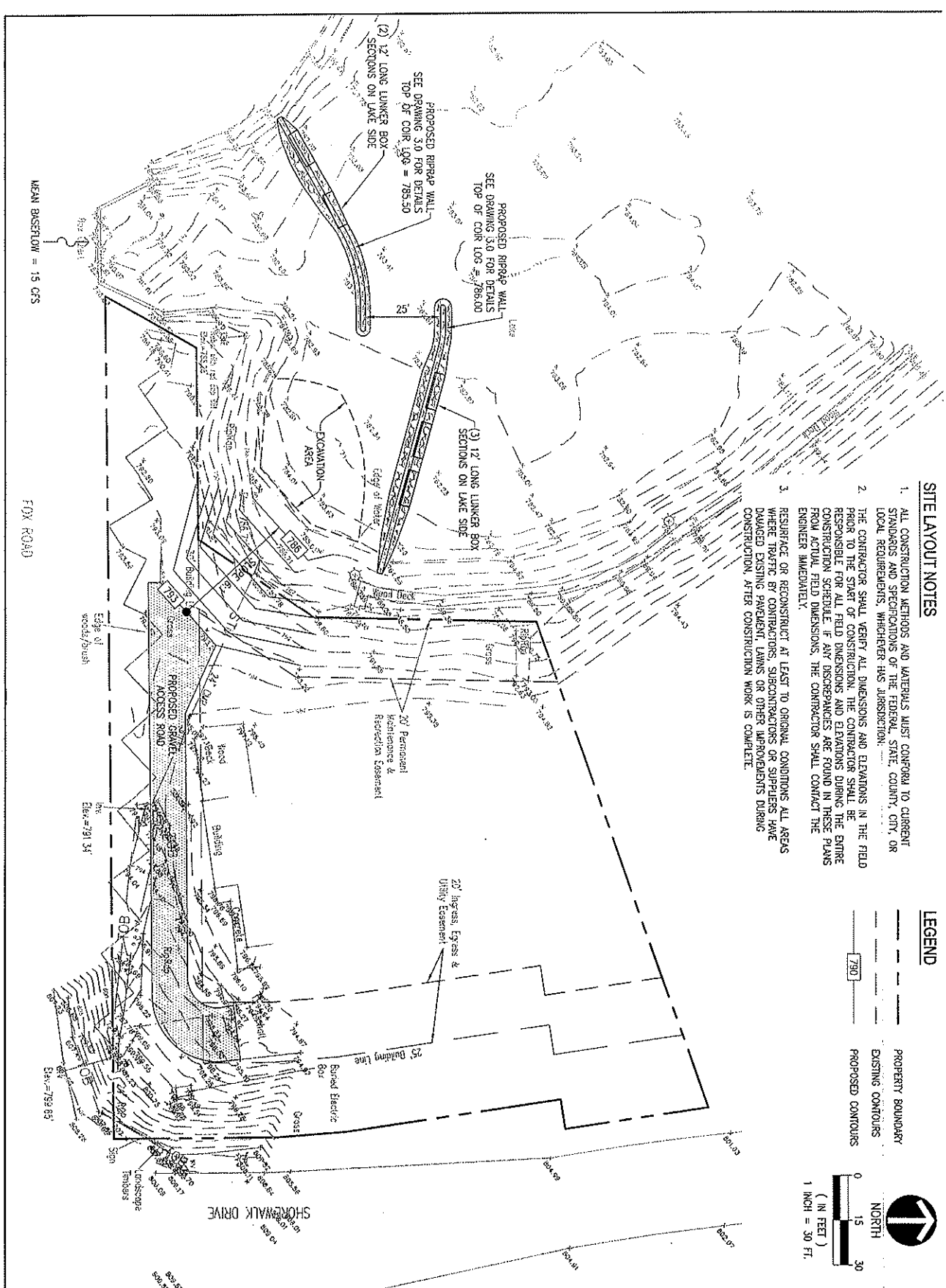
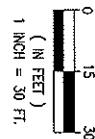
Enc. NRA Report, proposed SITE plans, Section 404/401 Application/Notification forms
Cc: Mr. Laban Lindley, USACE; Ms. Sharon Ferguson, Shorewalk HOA

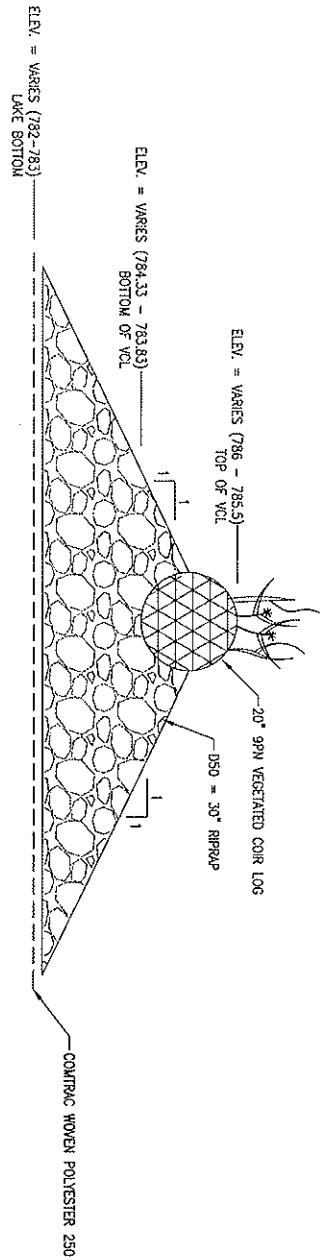
SITE LAYOUT NOTES

1. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY, OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND ELEVATIONS DURING THE ENTIRE CONSTRUCTION SCHEDULE. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM ACTUAL FIELD DIMENSIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
3. RESURFACE OR RECONSTRUCT AT LEAST TO ORIGINAL CONDITIONS ALL AREAS WHERE IMPACTS BY CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS HAVE DAMAGED EXISTING PAVEMENT, LAINS OR OTHER IMPROVEMENTS DURING CONSTRUCTION. AFTER CONSTRUCTION WORK IS COMPLETE.

LEGEND

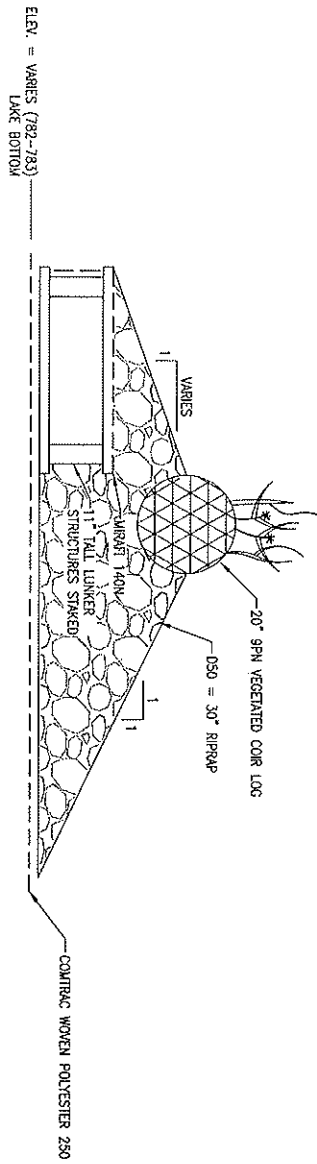
- PROPERTY BOUNDARY
- EXISTING CONTOURS
- PROPOSED CONTOURS





STANDARD RIPRAP WALL DETAIL

SCALE: NONE



**STANDARD RIPRAP WALL
WITH LUNKER BOX DETAIL**

SCALE: NONE

SHOREWALK H.O.A.

5702 KIRKPATRICK WAY
INDIANAPOLIS, INDIANA 46220



WILLIAMS CREEK CONSULTING, INC.
919 NORTH EAST STREET
INDIANAPOLIS, INDIANA 46202
Ph: (317) 423-0690 Fax: (317) 423-0696

SEDIMENT BASIN

FOX ROAD AND SHOREWALK DRIVE
MARION COUNTY, INDIANA

DETAILS

PROJECT NUMBER
01.0281.B.4

DRAWING NUMBER

3.0

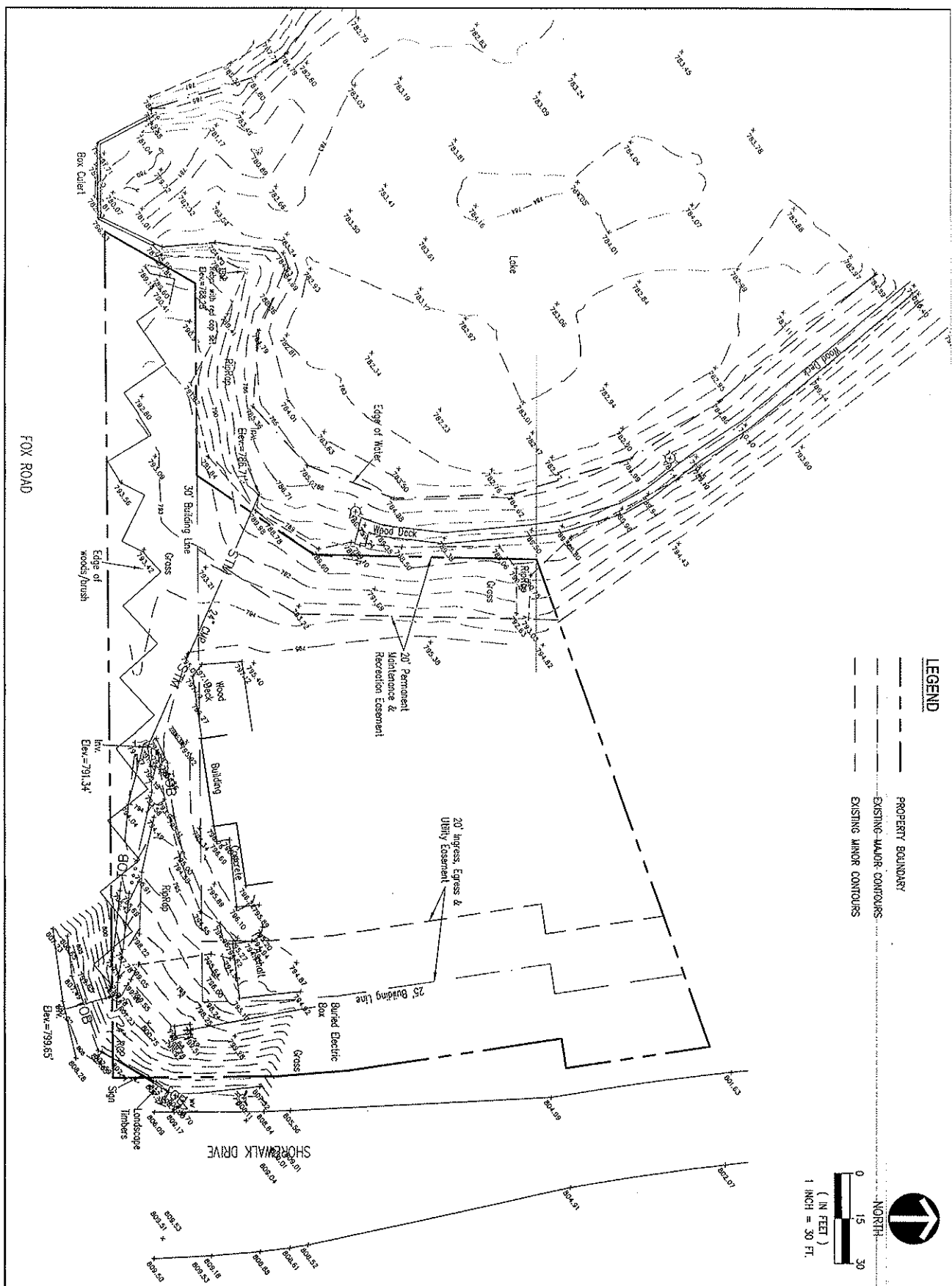
SHEET 3 OF 3

OWN BY: JCB

CHD BY: JS

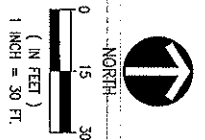
SCALE: 1" = 30'

DATE: 9/27/2010



LEGEND

- PROPERTY BOUNDARY
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS



SEDIMENT BASIN

FOX ROAD AND SHOREWALK DRIVE
MARION COUNTY, INDIANA

EXISTING CONDITIONS

SHOREWALK H.O.A.

5702 KIRKPATRICK WAY
INDIANAPOLIS, INDIANA 46220



WILLIAMS CREEK CONSULTING, INC.
919 NORTH EAST STREET
INDIANAPOLIS, INDIANA 46202
Ph: (317) 423-0690 Fax: (317) 423-0696

DRAWN BY: JCB

CHECKED BY: JS

SCALE: 1" = 30'

DATE: 9/27/2010

PROJECT NUMBER
01.0281.B.4

DRAWING NUMBER

1.0

SHEET 1 OF 3